

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: December 22, 2005

Inspector: Diana Walden

Location: 115 kV Underground Route

Storm/

Rain Event: Approximately 1.05" of precipitation fell mostly in the form of rain on 12/16 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	- Bethel Educational Park: Structure work within the ROW is finishing up. 12/22/05	-See erosion control section for specifics. 12/22/05
Hoyts Hill Transition Structure	- Work on the structure was completed at the time. 12/22/05	- See erosion control section for specifics. 12/22/05
	-Roadwork was not observed during the inspection. 12/22/05	-None at this time. 12/22/05
Gallows Hill Road and Rt. 107, Redding	- The storage area near the Rt. 107 turn had been graded and placed with topsoil but we have recommendations here. 12/22/05	- See additional sections for more information. 12/22/05
Rt. 58, Bethel	- Roadwork was not observed during the inspection. 12/22/05	
	-Similar grading/topsoil work had been completed at Sunset Hill Rd. storage. 12/22/05	- See additional sections for recommendations. 12/22/05

Areas of Inspection	Observation	Recommended Action
Broad Street/ROW, Norwalk	- A few materials were left behind along the side of the roadway but most areas were mulched prior to snow cover. 12/22/05	-General cleanup should be performed and the road surface is still fairly rough. 12/14-12/22/05
Broad Street/ROW, Norwalk	- The bike path in the ROW will not be constructed until spring. 12/22/05	- None at this time. 12/22/05
Main Ave. / Rt. 7, Norwalk	- Scaffolding was being built for structure work near the substation. 12/22/05	- None at this time. 12/22/05
Main Ave. / Rt. 7, Norwalk	-115kV work apparently associated with the structure at Norwalk Junction required snow plowing on site. Some issues resulted that need attention. 12/14-12/22/05	-See erosion control section for details but repairs are necessary. It will have to be worked out between contractors. 12/14-12/22/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The northern ROW was placed with stone for equipment access but some portions were somewhat rutted. 12/1-12/22/05	-Some mulch should be placed on ruts when access needs are complete. Snow and thaw periods are now a factor.12/8-12/22/05
Bethel Educational Park	- Some remaining ruts were also noted along the southern access road. 12/8-12/22/05	- Some mulch should be placed on ruts when access needs are complete. Snow and thaw periods are now a factor. 12/8-12/22/05
Hoyts Hill Riser Transition Structure (Off Rt. 58)	- Equipment access had created additional ruts along the sides of the drive in the mud. 11/23-12/22/05	- The ruts should be graded and mulch added to the area now that equipment access is complete, but snow cover is now a factor. 12/14-12/22/05
	- Drainage patterns across the access drive had returned. 12/22/05	- Keep the existing haybales in the drain inlet until the surrounding area is stable. 12/22/05

Areas of Inspection	Observation	Recommended Action
Route 58	- A few areas of bare soil remain around some of the recently accessed vaults. 12/14-12/22/05	-Continue to restore the edge of roadway with mulch if feasible following equipment access. This is esp. needed north of the Sunoco. 12/14/05
	- This includes the area near the stream near the vault at Putnam Park. 12/1-12/22/05	-A few haybales could be added around the entrance to the stream here. 12/22/05
	- Snow plowing at the Putnam Park storage area created some issues as sediment laden snow was pushed beyond the controls towards the stream. 12/14-12/22/05	-Pull back snow from the wetlands and repair the silt fence. Future plowing should be done with care. Toed-in perimeter fence or haybales should remain at this site until the growing season at this point. 12/22/05
	-The Sunset Hill Rd. storage area was graded and topsoil was placed. Unfortunately, the soil was pushed into the wetland swale at the yard's edge and erosion controls are not in place. 12/22/05	- There will be no chance of vegetative stabilization until the growing season, we recommend that that silt fence or haybales remain here- or the area should be well mulched immediately. Soil should be shoveled out of the swale if feasible. 12/22/05
Gallows Hill Road	-The roadway and adjacent work areas are well stabilized. 12/22/05	- None at this time 12/22/05
Rt. 107 (Lonetown Rd)	- The storage area south of the 90 degree turn on Rt. 107 was also graded and placed with topsoil. Erosion controls were also removed here but we recommend that they should remain due to the more extensive area of disturbed soil. 12/22/05	- Since there will be no chance of vegetative stabilization until the growing season, we recommend that that toed in silt fence or haybales remain here or the area should be well mulched immediately due to the wetland area at the base of the slope. 12/22/05
Broad Street and ROW, Norwalk	- A disturbed area near the cemetery could use some mulch if feasible. 12/8-12/22/05	- Leftover materials should also be picked up. 12/14-12/22/05

Areas of Inspection	Observation	Recommended Action
Main Ave/ Rt. 7, Norwalk	-Erosion controls were pushed over as a result of the snow plowing at Norwalk Junction- apparently for 115kV related work on the structure. This has pushed sediment laden snow towards the river beyond the silt fence. 12/14-12/22/05	- The 115kV contractors should repair the fence and pull back the snow piles if it is determined to be their responsibility. This should be worked out among the contractors. 12/22/05
Contaminated Soils	-Clean process remains in one pile at the Putnam Park storage area. Clean soil was spread at the Rt. 107 and Sunset Hill storage areas. 12/22/05	- All soils appear to be handled appropriately. 12/22/05
Adjacent Wetlands and Waterways	-The stream near Sara's Way off Rt. 58 remains clear and banks are free from erosion. 12/22/05 - A small stream crossing near Putnam Park at a vault also remains clear at this time. 11/23-12/22/05 -Some soil was accidentally pushed into the wet swale adjacent to the storage yard on Sunset Hill Rd. 12/22/05	- None at this time. Continue to monitor for final vegetative stabilization. 12/22/05 - Monitor as bare soil remains around the stream. A few haybales could be installed. 12/22/05 - Shovel back soil if feasible and install erosion controls until the next growing season. 12/22/05
Staging, Storage, and Parking Areas	- At the storage area off Rt. 58 near Putnam Park controls were pushed over by sediment laden snow plow piles in some locations. 12/14-12/22/05 - The Sunset Hill Rd. and Rt. 107 storage yards have been graded and placed with topsoil and are no longer in use. However, the amount of disturbed soil left behind warrants additional attention. 12/22/05	-Snow needs to be pulled back and erosion controls repaired. Retain the silt fence here due to the proximity of the pond. 12/14-12/22/05 - Since disturbed soil remains and there is no chance of re-vegetation until the growing season, we recommend haybales or other erosion controls. The areas were not mulched prior to pulling the silt fence. 12/22/05
State species of concern, threatened and endangered species	- No species of concern are located in the areas of construction.	- N/A
Vegetative clearing limits (including trees to save or	- A few areas as noted had ruts caused by equipment access. They should be re-restored when	- The D&M plan requires that disturbed areas that will be left for more than 21-30 days

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danger trees noted)	feasible although snow cover will now be a factor. 12/8-12/22/05	before work returns, should be temporarily stabilized with mulch or seed within 7-14 days.
Dewatering	- Dewatering from any work conducted by Mass Electric/Kiewit is directed back to the ground or catch basins through controls. 10/27-12/22/05	- Continue to use filtration prior to discharging any water. 12/22/05
Blasting	- No blasting is occurring in any areas at this time.	- None at this time.
Spills and Material Storage	- A report of any leaks or spills that reach the ground and occur during the week should be provided to BSC from internal project inspectors 6/15-12/22/05	- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis and keep spill kits on hand. Report spills immediately, even if they are being controlled. - The contractors should remain vigilant about securing and handling fuel and material containers. - Equipment and materials should not be stored in wooded areas unless it is designated for storage.

Next likely scheduled inspection:

Thursday, December 29, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden



115kV (ROW): Photo on the left shows the slope which was mulched prior to snow cover. Most snow cover has since melted. Photo on the right shows some work building the scaffolding at a structure near the substation. 12/22/05



115kV (Broad St. and Norwalk Junction): Photo on the left shows Broad St. where some materials remain along the roadside. Some general cleanup here may be necessary. Photo on the right is the view of the snow pile remaining at Norwalk Junction. Responsibility for silt fence repair needs to be determined between contractors. 12/22/05



115kV (Rt. 107 storage yard). Photo shows the storage area near the Rt. 107 90 degree turn which has been graded and placed with topsoil. Due to the time of year and lack of any chance of vegetative stabilization, we recommend leaving haybales or silt fence if it can be toed-in 12/22/05



115kV (Putnam Park Storage Area) Photos show various views of the snow plow piles and associated sediment that were pushed over the silt fence. These should be pulled back and the silt fence restored due to the adjacent wetlands. 12/22/05



115kV: (Sunset Hill Rd. Storage Area) Photo on the left show where the storage area here was also graded and topsoil was placed. Photo on the right shows where this soil was accidentally pushed into the adjacent wetland swale. The soil should be pulled back and we recommend haybales until the area can stabilize in the growing season. 12/22/05



115kV: (Hoyts Hill) Photo on the left shows the completed work at the structure. Photo on the right shows the pre-existing drainage patterns returning across the access drive. 12/22/05